

(27) Frequencies in this band will be assigned for low power wireless microphones in accordance with the provisions of § 90.265.

(28) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(29) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(30) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(d) *Additional frequencies available.* In addition to the frequencies shown in the frequency table of this section, the following frequencies are available in this service. (See also § 90.253.)

(1) Substitution of frequencies available below 25 MHz may be made in accordance with the provisions of § 90.263.

(2) [Reserved]

(3) Frequencies in the band 73.0–74.6 MHz may be assigned to stations authorized their use on or before December 1, 1961, but no new stations will be authorized in this band, nor will expansion of existing systems be permitted. See also § 90.257.

(4) The frequency bands 31.99 to 32.00 MHz, 33.00 to 33.01 MHz, 33.99 to 34.00 MHz, 37.93 to 38.00 MHz, 39.00 to 39.01 MHz, 39.99 to 40.00 MHz and 42.00 to 42.01 MHz, are available for assignment for developmental operation subject to the provisions of subpart Q.

(5) Frequencies in the 421–430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§ 90.273 through 90.281.

(e) *Limitation on number of frequencies assignable.* Normally only two frequencies or pairs of frequencies in the paired frequency mode of operation will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with the operation of mobile repeaters

in accordance with § 90.247 notwithstanding this limitation.

(2) The frequency 39.06 MHz may be assigned notwithstanding this limitation.

(3) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(4) A licensee of a radio station in this service may operate radio units for the purpose of determining distance, direction, speed, or position by means of a radiolocation device on any frequency available for radiolocation purposes without specific authorization from the Commission, provided type accepted equipment or equipment authorized pursuant to § 90.203(b) (4) and (5) is used and all other rule requirements are satisfied.

(Secs. 4, 303, 307, 48 Stat., as amended, 1066, 1082, 1083; 47 U.S.C. 154, 303, 307; secs. 4(i) and 303(r), Communications Act of 1934, as amended, §§ 0.131 and 0.331 of the Commission's Rules and 5 U.S.C. 553 (b)(3)(B) and (d)(3))

[43 FR 54791, Nov. 22, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 90.17, see the List of CFR Sections Affected in the Finding Aids section of this volume.

### § 90.19 Police Radio Service.

(a) *Eligibility.* Any territory, possession, State, county, city, town, and similar governmental entity including a governmental institution authorized by law to provide its own police protection, is eligible to hold authorizations in the Police Radio Service to operate radio stations for transmission of communications essential to official police activities of the licensee.

(b) [Reserved]

(c) *International police radiocommunication.* Police radio licensees which are located in close proximity to the borders of the United States may be authorized to communicate internationally. Request for such authority shall be written and signed and submitted in duplicate. The request shall include information as to the station with which communication will be conducted, and the frequency, power,

emission, etc., that will be used. If authorized, such international communication must be conducted in accordance with Article 5 of the Inter-American Radio Agreement, Washington, DC, 1949 which reads as follows:

Article 5. *Police radio stations.* When the American countries authorize their police radio stations to exchange emergency information by radio with similar stations of another country, the following rules shall be applied.

(a) Only police radio stations located close to the boundaries of contiguous countries shall be allowed to exchange this information.

(b) In general, only important police messages shall be handled, such as those which would lose their value, because of slowness and time limitations if sent on other communication systems.

(c) Frequencies used for radiotelephone communications with mobile police units shall not be used for radiotelegraph communications.

(d) Radiotelephone communications shall be conducted only on frequencies assigned for radiotelephony.

(e) Radiotelegraph communications shall be conducted on the following frequencies: 2804 kHz calling, 2808 kHz working, 2812 kHz working, 5195 kHz day calling, 5185 kHz day working, 5140 kHz day working.

(f) The characteristics of police radio stations authorized to exchange information shall be notified to the International Telecommunication Union, Geneva, Switzerland.

(g) The abbreviations contained in Appendix 9 of the Atlantic City Radio Regulations

shall be used to the greatest possible extent. Service indications are as follows: "P", priority, for messages that are to be sent immediately, regardless of the number of other messages on file. If no service indication is given, the messages are to be transmitted in the order of receipt.

(h) The message shall contain the preamble, address, text and signature, as follows:

*Preamble.* The preamble of the message shall consist of the following: the serial number preceded by the letters "NR", service indications, as appropriate; the group count according to standard cable count system; the letters "CK", followed by numerals indicating the number of words contained in the text of the message: office and country of origin (not abbreviations): day, month, and hour of filing;

*Address.* The address must be as complete as possible and shall include the name of the addressee with any supplementary particulars necessary for immediate delivery of the message;

*Text.* The text may be either in plain language or code;

*Signature.* The signature shall include the name and title of the person originating the message.

(d) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Police Radio Service, together with the class of station(s) to which they are normally assigned and the specific assignment limitations which are explained in paragraph (e) of this section:

POLICE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
<b>Kilohertz:</b>		
1722 .....	Operational fixed, base or mobile .....	2, 3
1730 .....	.....do .....	2, 3
2366 .....	.....do .....	1, 2
2382 .....	.....do .....	2
2390 .....	.....do .....	1, 2
2406 .....	.....do .....	2
2430 .....	.....do .....	2
2442 .....	.....do .....	2
2450 .....	.....do .....	2
2458 .....	.....do .....	2
2482 .....	.....do .....	2
2490 .....	.....do .....	2, 3
<b>Megahertz:</b>		
37.02 .....	Mobile .....	
37.04 .....	Base or mobile .....	
37.06 .....	.....do .....	
37.08 .....	.....do .....	
37.10 .....	.....do .....	9
37.12 .....	.....do .....	
37.14 .....	.....do .....	
37.16 .....	.....do .....	
37.18 .....	.....do .....	9
37.20 .....	.....do .....	
37.22 .....	.....do .....	
37.24 .....	.....do .....	

## POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
37.26 .....	.....do .....	9
37.28 .....	.....do .....	
37.30 .....	.....do .....	
37.32 .....	.....do .....	
37.34 .....	Mobile .....	
37.36 .....	Base or mobile .....	
37.38 .....	Mobile .....	
37.40 .....	Base or mobile .....	
37.42 .....	Mobile .....	
39.02 .....	Base or mobile .....	
39.04 .....	.....do .....	
39.06 .....	.....do .....	9, 10
39.08 .....	.....do .....	
39.10 .....	.....do .....	9
39.12 .....	.....do .....	
39.14 .....	.....do .....	
39.16 .....	.....do .....	
39.18 .....	.....do .....	9
39.20 .....	.....do .....	
39.22 .....	.....do .....	
39.24 .....	.....do .....	
39.26 .....	Mobile .....	
39.28 .....	Base or mobile .....	
39.30 .....	Mobile .....	
39.32 .....	Base or mobile .....	
39.34 .....	Mobile .....	
39.36 .....	Base or mobile .....	
39.38 .....	Mobile .....	
39.40 .....	Base or mobile .....	
39.42 .....	.....do .....	
39.44 .....	.....do .....	
39.46 .....	.....do .....	11
39.48 .....	.....do .....	
39.50 .....	.....do .....	9
39.52 .....	.....do .....	
39.54 .....	.....do .....	
39.56 .....	.....do .....	
39.58 .....	.....do .....	9
39.60 .....	.....do .....	
39.62 .....	.....do .....	
39.64 .....	.....do .....	
39.66 .....	Mobile .....	
39.68 .....	Base or mobile .....	
39.70 .....	Mobile .....	
39.72 .....	Base or mobile .....	
39.74 .....	Mobile .....	
39.76 .....	Base or mobile .....	
39.78 .....	Mobile .....	
39.80 .....	Base or mobile .....	
39.82 .....	.....do .....	9
39.84 .....	.....do .....	
39.86 .....	.....do .....	
39.88 .....	.....do .....	
39.90 .....	.....do .....	9
39.92 .....	.....do .....	
39.94 .....	.....do .....	
39.96 .....	.....do .....	
39.98 .....	.....do .....	9
42.02 .....	.....do .....	2, 3, 12
42.04 .....	.....do .....	2, 3, 12
42.06 .....	.....do .....	2, 3, 12
42.08 .....	.....do .....	2, 3, 12
42.10 .....	.....do .....	2, 3, 12
42.12 .....	.....do .....	2, 3, 12
42.14 .....	.....do .....	2, 3, 12
42.16 .....	.....do .....	2, 3, 12
42.18 .....	Mobile .....	2, 12
42.20 .....	.....do .....	2, 12
42.22 .....	.....do .....	2, 12
42.24 .....	.....do .....	2, 12
42.26 .....	.....do .....	2, 12
42.28 .....	.....do .....	2, 12

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
42.30 .....	.....do .....	2, 12
42.32 .....	Base or mobile .....	2, 3, 12
42.34 .....	.....do .....	2, 3, 12
42.36 .....	.....do .....	2, 3, 12
42.38 .....	.....do .....	2, 3, 12
42.40 .....	.....do .....	2, 3, 12, 28
42.42 .....	.....do .....	2, 3, 12
42.44 .....	.....do .....	2, 3, 12
42.46 .....	.....do .....	2, 3, 12
42.48 .....	.....do .....	2, 3, 12
42.50 .....	.....do .....	2, 3, 12
42.52 .....	.....do .....	2, 3, 12
42.54 .....	.....do .....	2, 3, 12
42.56 .....	.....do .....	2, 3, 12
42.58 .....	.....do .....	2, 3, 12
42.60 .....	.....do .....	2, 3, 12
42.62 .....	.....do .....	2, 3, 12
42.64 .....	.....do .....	2, 3, 12
42.66 .....	Mobile .....	2, 12
42.68 .....	.....do .....	2, 12
42.70 .....	.....do .....	2, 12
42.72 .....	.....do .....	2, 12
42.74 .....	.....do .....	2, 12
42.76 .....	.....do .....	2, 12
42.78 .....	.....do .....	2, 12
42.80 .....	Base or mobile .....	2, 3, 12
42.82 .....	.....do .....	2, 3, 12
42.84 .....	.....do .....	2, 3, 12
42.86 .....	.....do .....	2, 3, 12
42.88 .....	.....do .....	2, 3, 12
42.90 .....	.....do .....	2, 3, 12
42.92 .....	.....do .....	2, 3, 12
42.94 .....	.....do .....	2, 3, 12
44.62 .....	.....do .....	2, 3, 12
44.66 .....	.....do .....	2, 3, 12
44.70 .....	.....do .....	2, 3, 12
44.74 .....	.....do .....	2, 3, 12
44.78 .....	Mobile .....	2, 12
44.82 .....	.....do .....	2, 12
44.86 .....	.....do .....	2, 12
44.90 .....	.....do .....	2, 12
44.94 .....	Base or mobile .....	2, 3, 12
44.98 .....	.....do .....	2, 3, 12
45.02 .....	.....do .....	2, 3, 12
45.06 .....	.....do .....	2, 3, 12
45.10 .....	.....do .....	
45.14 .....	.....do .....	
45.18 .....	.....do .....	
45.22 .....	.....do .....	
45.26 .....	Mobile .....	
45.30 .....	.....do .....	
45.34 .....	.....do .....	
45.38 .....	.....do .....	
45.42 .....	Base or mobile .....	
45.46 .....	.....do .....	
45.50 .....	.....do .....	
45.54 .....	.....do .....	
45.58 .....	.....do .....	
45.62 .....	.....do .....	
45.66 .....	.....do .....	
45.70 .....	.....do .....	
45.74 .....	Mobile .....	
45.78 .....	.....do .....	
45.82 .....	.....do .....	
45.86 .....	Base or mobile .....	11
45.90 .....	.....do .....	29
45.94 .....	.....do .....	
45.98 .....	.....do .....	
46.02 .....	.....do .....	
72.00–76.00 .....	Operational fixed .....	13
150 to 170 .....	Base or mobile .....	33
154.650 .....	Mobile .....	

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
154.6575 .....	.....do .....	26
154.665 .....	Base or mobile .....	12
154.6725 .....	.....do .....	12, 26
154.680 .....	.....do .....	12
154.6875 .....	.....do .....	12, 26
154.695 .....	.....do .....	12
154.7025 .....	.....do .....	12, 26
154.710 .....	Mobile .....	
154.7175 .....	.....do .....	26
154.725 .....	Base or mobile .....	
154.7325 .....	.....do .....	26
154.740 .....	.....do .....	
154.7475 .....	.....do .....	26
154.755 .....	.....do .....	
154.7625 .....	.....do .....	26
154.770 .....	Mobile .....	
154.7775 .....	.....do .....	26
154.785 .....	Base or mobile .....	
154.7925 .....	.....do .....	26
154.800 .....	.....do .....	
154.8075 .....	.....do .....	26
154.815 .....	.....do .....	
154.8225 .....	.....do .....	26
154.830 .....	Mobile .....	
154.8375 .....	.....do .....	26
154.845 .....	Base or mobile .....	
154.8525 .....	.....do .....	26
154.860 .....	.....do .....	
154.8675 .....	.....do .....	26
154.875 .....	.....do .....	
154.8825 .....	.....do .....	26
154.890 .....	Mobile .....	
154.8975 .....	.....do .....	26
154.905 .....	Base or mobile .....	12
154.9125 .....	.....do .....	12, 26
154.920 .....	.....do .....	12
154.9275 .....	.....do .....	12, 26
154.935 .....	.....do .....	12
154.9425 .....	.....do .....	12, 26
154.950 .....	Mobile .....	
154.9575 .....	.....do .....	26
155.01 .....	Base or mobile .....	
155.0175 .....	.....do .....	26
155.07 .....	.....do .....	
155.0775 .....	.....do .....	26
155.13 .....	.....do .....	
155.1375 .....	.....do .....	26
155.19 .....	.....do .....	
155.1975 .....	.....do .....	26
155.25 .....	.....do .....	
155.2575 .....	.....do .....	26
155.31 .....	.....do .....	
155.3175 .....	.....do .....	26
155.370 .....	.....do .....	
155.3775 .....	.....do .....	26
155.415 .....	.....do .....	
155.4225 .....	.....do .....	26
155.430 .....	.....do .....	
155.4375 .....	.....do .....	26
155.445 .....	.....do .....	12
155.4525 .....	.....do .....	12, 26
155.460 .....	.....do .....	12
155.4675 .....	.....do .....	12, 26
155.475 .....	.....do .....	14
155.4825 .....	.....do .....	14, 26
155.490 .....	.....do .....	
155.4975 .....	.....do .....	26
155.505 .....	.....do .....	12
155.5125 .....	.....do .....	12, 26
155.520 .....	.....do .....	
155.5275 .....	.....do .....	26
155.535 .....	.....do .....	

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
155.5425 .....	.....do .....	26
155.550 .....	.....do .....	
155.5575 .....	.....do .....	26
155.565 .....	.....do .....	
155.5725 .....	.....do .....	26
155.580 .....	.....do .....	
155.5875 .....	.....do .....	26
155.595 .....	.....do .....	
155.6025 .....	.....do .....	26
155.610 .....	.....do .....	
155.6175 .....	.....do .....	26
155.625 .....	.....do .....	
155.6325 .....	.....do .....	26
155.640 .....	.....do .....	
155.6475 .....	.....do .....	26
155.655 .....	.....do .....	
155.6625 .....	.....do .....	26
155.670 .....	.....do .....	
155.6775 .....	.....do .....	26
155.685 .....	.....do .....	
155.6925 .....	.....do .....	26
155.700 .....	.....do .....	
155.7075 .....	.....do .....	26
155.730 .....	.....do .....	
155.7375 .....	.....do .....	26
155.79 .....	.....do .....	
155.7975 .....	.....do .....	26
155.85 .....	Mobile .....	
155.8575 .....	.....do .....	26
155.91 .....	.....do .....	
155.9175 .....	.....do .....	26
155.97 .....	.....do .....	
155.9775 .....	.....do .....	26
156.03 .....	.....do .....	
156.0375 .....	.....do .....	26
156.09 .....	.....do .....	
156.0975 .....	.....do .....	26
156.15 .....	.....do .....	
156.1575 .....	.....do .....	26
156.210 .....	Base or mobile .....	
156.2175 .....	.....do .....	26
158.7225 .....	.....do .....	32
158.730 .....	.....do .....	
158.7375 .....	.....do .....	26
158.790 .....	.....do .....	
158.7975 .....	.....do .....	26
158.850 .....	.....do .....	
158.8575 .....	.....do .....	26
158.910 .....	Mobile .....	
158.9175 .....	.....do .....	26
158.970 .....	.....do .....	
158.9775 .....	.....do .....	26
159.030 .....	.....do .....	
159.0375 .....	.....do .....	26
159.090 .....	Base or mobile .....	
159.0975 .....	.....do .....	26
159.150 .....	.....do .....	
159.1575 .....	.....do .....	26
159.210 .....	.....do .....	
159.2175 .....	.....do .....	26
169–172 .....	Mobile .....	30
173.075 .....	Base or mobile .....	31
220–222 .....	Base and mobile .....	4
450–470 .....	Fixed, base, or mobile .....	15, 33
453.0375 .....	Mobile .....	34
453.050 .....	Base or mobile .....	16
453.05625 .....	.....do .....	16, 32
453.06250 .....	.....do .....	16, 26
453.06875 .....	.....do .....	16, 32
453.0875 .....	Mobile .....	34
453.100 .....	Base or mobile .....	16
453.10625 .....	.....do .....	16, 32

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.11250 .....	.....do .....	16, 26
453.11875 .....	.....do .....	16, 32
453.1375 .....	Mobile .....	34
453.150 .....	Base or mobile .....	16
453.15625 .....	.....do .....	16, 32
453.16250 .....	.....do .....	16, 26
453.16875 .....	.....do .....	16, 32
453.1875 .....	Mobile .....	34
453.200 .....	Base or mobile .....	16
453.20625 .....	.....do .....	16, 32
453.21250 .....	.....do .....	16, 26
453.21875 .....	.....do .....	16, 32
453.2375 .....	Mobile .....	34
453.250 .....	Base or mobile .....	16
453.25625 .....	.....do .....	16, 32
453.26250 .....	.....do .....	16, 26
453.26875 .....	.....do .....	16, 32
453.2875 .....	Mobile .....	34
453.300 .....	Base or mobile .....	16
453.30625 .....	.....do .....	16, 32
453.31250 .....	.....do .....	16, 26
453.31875 .....	.....do .....	16, 32
453.3375 .....	Mobile .....	34
453.350 .....	Base or mobile .....	16
453.35625 .....	.....do .....	16, 32
453.36250 .....	.....do .....	16, 26
453.36875 .....	.....do .....	16, 32
453.3875 .....	Mobile .....	34
453.400 .....	Base or mobile .....	16
453.40625 .....	.....do .....	16, 32
453.41250 .....	.....do .....	16, 26
453.41875 .....	.....do .....	16, 32
453.4375 .....	Mobile .....	34
453.450 .....	Base or mobile .....	16
453.45625 .....	.....do .....	16, 32
453.46250 .....	.....do .....	16, 26
453.46875 .....	.....do .....	16, 32
453.4875 .....	Mobile .....	34
453.500 .....	Base or mobile .....	16
453.50625 .....	.....do .....	16, 32
453.51250 .....	.....do .....	16, 26
453.51875 .....	.....do .....	16, 32
453.5375 .....	Mobile .....	34
453.550 .....	Base or mobile .....	16
453.55625 .....	.....do .....	16, 32
453.56250 .....	.....do .....	16, 26
453.56875 .....	.....do .....	16, 32
453.5875 .....	Mobile .....	34
453.600 .....	Base or mobile .....	16
453.60625 .....	.....do .....	16, 32
453.61250 .....	.....do .....	16, 26
453.61875 .....	.....do .....	16, 32
453.6375 .....	Mobile .....	34
453.650 .....	Base or mobile .....	16
453.65625 .....	.....do .....	16, 32
453.66250 .....	.....do .....	16, 26
453.66875 .....	.....do .....	16, 32
453.6875 .....	Mobile .....	34
453.700 .....	Base or mobile .....	16
453.70625 .....	.....do .....	16, 32
453.71250 .....	.....do .....	16, 26
453.71875 .....	.....do .....	16, 32
453.7375 .....	Mobile .....	34
453.750 .....	Base or mobile .....	16
453.75625 .....	.....do .....	16, 32
453.76250 .....	.....do .....	16, 26
453.76875 .....	.....do .....	16, 32
453.7875 .....	Mobile .....	34
453.800 .....	Base or mobile .....	16
453.80625 .....	.....do .....	16, 32
453.81250 .....	.....do .....	16, 26
453.81875 .....	.....do .....	16, 32

## POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
453.8375 .....	Mobile .....	34
453.850 .....	Base or mobile .....	16
453.85625 .....	.....do .....	16, 32
453.86250 .....	.....do .....	16, 26
453.86875 .....	.....do .....	16, 32
453.8875 .....	Mobile .....	34
453.900 .....	Base or mobile .....	16
453.90625 .....	.....do .....	16, 32
453.91250 .....	.....do .....	16, 26
453.91875 .....	.....do .....	16, 32
453.9375 .....	Mobile .....	34
453.950 .....	Base or mobile .....	16
453.95625 .....	.....do .....	16, 32
453.96250 .....	.....do .....	16, 26
453.96875 .....	.....do .....	16, 32
458.0375 .....	Mobile .....	34
458.050 .....	.....do .....	16
458.05625 .....	.....do .....	16, 32
458.06250 .....	.....do .....	16, 26
458.06875 .....	.....do .....	16, 32
458.0875 .....	.....do .....	34
458.100 .....	.....do .....	16
458.10625 .....	.....do .....	16, 32
458.11250 .....	.....do .....	16, 26
458.11875 .....	.....do .....	16, 32
458.1375 .....	.....do .....	34
458.150 .....	.....do .....	16
458.15625 .....	.....do .....	16, 32
458.16250 .....	.....do .....	16, 26
458.16875 .....	.....do .....	16, 32
458.1875 .....	.....do .....	34
458.200 .....	.....do .....	16
458.20625 .....	.....do .....	16, 32
458.21250 .....	.....do .....	16, 26
458.21875 .....	.....do .....	16, 32
458.2375 .....	.....do .....	34
458.250 .....	.....do .....	16
458.25625 .....	.....do .....	16, 32
458.26250 .....	.....do .....	16, 26
458.26875 .....	.....do .....	16, 32
458.2875 .....	.....do .....	34
458.300 .....	.....do .....	16
458.30625 .....	.....do .....	16, 32
458.31250 .....	.....do .....	16, 26
458.31875 .....	.....do .....	16, 32
458.3375 .....	.....do .....	34
458.350 .....	.....do .....	16
458.35625 .....	.....do .....	16, 32
458.36250 .....	.....do .....	16, 26
458.36875 .....	.....do .....	16, 32
458.3875 .....	.....do .....	34
458.400 .....	.....do .....	16
458.40625 .....	.....do .....	16, 32
458.41250 .....	.....do .....	16, 26
458.41875 .....	.....do .....	16, 32
458.4375 .....	.....do .....	34
458.450 .....	.....do .....	16
458.45625 .....	.....do .....	16, 32
458.46250 .....	.....do .....	16, 26
458.46875 .....	.....do .....	16, 32
458.4875 .....	.....do .....	34
458.500 .....	.....do .....	16
458.50625 .....	.....do .....	16, 32
458.51250 .....	.....do .....	16, 26
458.51875 .....	.....do .....	16, 32
458.5375 .....	.....do .....	34
458.550 .....	.....do .....	16
458.55625 .....	.....do .....	16, 32
458.56250 .....	.....do .....	16, 26
458.56875 .....	.....do .....	16, 32
458.5875 .....	.....do .....	34
458.600 .....	.....do .....	16

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
458.60625 .....	...do .....	16, 32
458.61250 .....	...do .....	16, 26
458.61875 .....	...do .....	16, 32
458.6375 .....	...do .....	34
458.650 .....	...do .....	16
458.65625 .....	...do .....	16, 32
458.66250 .....	...do .....	16, 26
458.66875 .....	...do .....	16, 32
458.6875 .....	...do .....	34
458.700 .....	...do .....	16
458.70625 .....	...do .....	16, 32
458.71250 .....	...do .....	16, 26
458.71875 .....	...do .....	16, 32
458.7375 .....	...do .....	34
458.750 .....	...do .....	16
458.75625 .....	...do .....	16, 32
458.76250 .....	...do .....	16, 26
458.76875 .....	...do .....	16, 32
458.7875 .....	...do .....	34
458.800 .....	...do .....	16
458.80625 .....	...do .....	16, 32
458.81250 .....	...do .....	16, 26
458.81875 .....	...do .....	16, 32
458.8375 .....	...do .....	34
458.850 .....	...do .....	16
458.85625 .....	...do .....	16, 32
458.86250 .....	...do .....	16, 26
458.86875 .....	...do .....	16, 32
458.8875 .....	...do .....	34
458.900 .....	...do .....	16
458.90625 .....	...do .....	16, 32
458.91250 .....	...do .....	16, 26
458.91875 .....	...do .....	16, 32
458.9375 .....	...do .....	34
458.950 .....	...do .....	16
458.95625 .....	...do .....	16, 32
458.96250 .....	...do .....	16, 26
458.96875 .....	...do .....	16, 32
460.0125 .....	...do .....	34
460.01875 .....	Base or mobile .....	32
460.025 .....	...do .....	
460.03125 .....	...do .....	32
460.03750 .....	...do .....	26
460.04375 .....	...do .....	32
460.050 .....	...do .....	
460.05625 .....	...do .....	32
460.06250 .....	...do .....	26
460.06875 .....	...do .....	32
460.075 .....	...do .....	
460.08125 .....	...do .....	32
460.08750 .....	...do .....	26
460.09375 .....	...do .....	32
460.100 .....	...do .....	
460.10625 .....	...do .....	32
460.11250 .....	...do .....	26
460.11875 .....	...do .....	32
460.125 .....	...do .....	
460.13125 .....	...do .....	32
460.13750 .....	...do .....	26
460.14375 .....	...do .....	32
460.150 .....	...do .....	
460.15625 .....	...do .....	32
460.16250 .....	...do .....	26
460.16875 .....	...do .....	32
460.175 .....	...do .....	
460.18125 .....	...do .....	32
460.18750 .....	...do .....	26
460.19375 .....	...do .....	32
460.200 .....	...do .....	
460.20625 .....	...do .....	32
460.21250 .....	...do .....	26
460.21875 .....	...do .....	32

## POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
460.225 .....	...do .....	
460.23125 .....	...do .....	32
460.23750 .....	...do .....	26
460.24375 .....	...do .....	32
460.250 .....	...do .....	
460.25625 .....	...do .....	32
460.26250 .....	...do .....	26
460.26875 .....	...do .....	32
460.275 .....	...do .....	
460.28125 .....	...do .....	32
460.28750 .....	...do .....	26
460.29375 .....	...do .....	32
460.300 .....	...do .....	
460.30625 .....	...do .....	32
460.31250 .....	...do .....	26
460.31875 .....	...do .....	32
460.325 .....	...do .....	
460.33125 .....	...do .....	32
460.33750 .....	...do .....	26
460.34375 .....	...do .....	32
460.350 .....	...do .....	
460.35625 .....	...do .....	32
460.36250 .....	...do .....	26
460.36875 .....	...do .....	32
460.375 .....	...do .....	
460.38125 .....	...do .....	32
460.38750 .....	...do .....	26
460.39375 .....	...do .....	32
460.400 .....	...do .....	
460.40625 .....	...do .....	32
460.41250 .....	...do .....	26
460.41875 .....	...do .....	32
460.425 .....	...do .....	
460.43125 .....	...do .....	32
460.43750 .....	...do .....	26
460.44375 .....	...do .....	32
460.450 .....	...do .....	
460.45625 .....	...do .....	32
460.46250 .....	...do .....	26
460.46875 .....	...do .....	32
460.475 .....	...do .....	
460.48125 .....	...do .....	32
460.48750 .....	...do .....	26
460.49375 .....	...do .....	32
460.500 .....	...do .....	
460.50625 .....	...do .....	32
460.51250 .....	...do .....	26
460.51875 .....	...do .....	32
460.525 .....	...do .....	17
460.53125 .....	...do .....	17, 32
460.53750 .....	...do .....	17, 26
460.54375 .....	...do .....	17, 32
460.550 .....	...do .....	17
460.55625 .....	...do .....	17, 32
460.56250 .....	...do .....	17, 26
460.56875 .....	...do .....	17, 32
465.0125 .....	Mobile .....	34
465.025 .....	...do .....	
465.03125 .....	...do .....	32
465.03750 .....	...do .....	26
465.04375 .....	...do .....	32
465.050 .....	...do .....	
465.05625 .....	...do .....	32
465.06250 .....	...do .....	26
465.06875 .....	...do .....	32
465.075 .....	...do .....	
465.08125 .....	...do .....	32
465.08750 .....	...do .....	26
465.09375 .....	...do .....	32
465.100 .....	...do .....	
465.10625 .....	...do .....	32
465.11250 .....	...do .....	26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
465.11875 .....	...do .....	32
465.125 .....	...do .....	
465.13125 .....	...do .....	32
465.13750 .....	...do .....	26
465.14375 .....	...do .....	32
465.150 .....	...do .....	
465.15625 .....	...do .....	32
465.16250 .....	...do .....	26
465.16875 .....	...do .....	32
465.175 .....	...do .....	
465.18125 .....	...do .....	32
465.18750 .....	...do .....	26
465.19375 .....	...do .....	32
465.200 .....	...do .....	
465.20625 .....	...do .....	32
465.21250 .....	...do .....	26
465.21875 .....	...do .....	32
465.225 .....	...do .....	
465.23125 .....	...do .....	32
465.23750 .....	...do .....	26
465.24375 .....	...do .....	32
465.250 .....	...do .....	
465.25625 .....	...do .....	32
465.26250 .....	...do .....	26
465.26875 .....	...do .....	32
465.275 .....	...do .....	
465.28125 .....	...do .....	32
465.28750 .....	...do .....	26
465.29375 .....	...do .....	32
465.300 .....	...do .....	
465.30625 .....	...do .....	32
465.31250 .....	...do .....	26
465.31875 .....	...do .....	32
465.325 .....	...do .....	
465.33125 .....	...do .....	32
465.33750 .....	...do .....	26
465.34375 .....	...do .....	32
465.350 .....	...do .....	
465.35625 .....	...do .....	32
465.36250 .....	...do .....	26
465.36875 .....	...do .....	32
465.375 .....	...do .....	
465.38125 .....	...do .....	32
465.38750 .....	...do .....	26
465.39375 .....	...do .....	32
465.400 .....	...do .....	
465.40625 .....	...do .....	32
465.41250 .....	...do .....	26
465.41875 .....	...do .....	32
465.425 .....	...do .....	
465.43125 .....	...do .....	32
465.43750 .....	...do .....	26
465.44375 .....	...do .....	32
465.450 .....	...do .....	
465.45625 .....	...do .....	32
465.46250 .....	...do .....	26
465.46875 .....	...do .....	32
465.475 .....	...do .....	
465.48125 .....	...do .....	32
465.48750 .....	...do .....	26
465.49375 .....	...do .....	32
465.500 .....	...do .....	
465.50625 .....	...do .....	32
465.51250 .....	...do .....	26
465.51875 .....	...do .....	32
465.525 .....	...do .....	17
465.53125 .....	...do .....	17, 32
465.53750 .....	...do .....	17, 26
465.54375 .....	...do .....	17, 32
465.550 .....	Base or mobile .....	17
465.55625 .....	...do .....	17, 32
465.56250 .....	...do .....	17, 26

POLICE RADIO SERVICE FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations
465-56875 .....	.....do .....	17, 32
470-512 .....	.....do .....	21
806-824 .....	Mobile .....	22
851-869 .....	Base or mobile .....	22
928 and above .....	Operational-fixed .....	23
929-930 .....	Base only .....	27
1427 to 1435 .....	Operational-fixed, base or mobile .....	24
2450 to 2500 .....	Base or mobile .....	25
10,550 to 10,680* .....	.....do .....	

\*The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(e) Explanation of assignment limitations appearing in the frequency table of paragraph (d) of this section:

(1) The use of this frequency is on a secondary basis to any Canadian station.

(2) The frequency is available for assignment only in accordance with a geographical assignment plan.

(3) Base stations operating on this frequency and rendering service to state police mobile units may be authorized to use a maximum output power in excess of the maximum indicated in §90.205 but not in excess of 7500 watts: *Provided*, That such operation is secondary to other stations.

(4) Subpart T contains rules for assignment of frequencies in the 220–222 MHz band.

(5)–(8) [Reserved]

(9) This frequency is shared with the Local Government Radio Service.

(10) The maximum output power of any transmitter authorized to operate on this frequency, after June 1, 1956, shall not exceed two watts. Licensees holding a valid authorization as of June 1, 1956, for base or mobile station operation on this frequency, with a power in excess of two watts, may continue to be authorized for such operation without regard to this power limitation.

(11) This frequency is reserved for assignment to stations for intersystem operations only: *Provided, however*, That licensees holding a valid authorization to use this frequency for local base or mobile operations as of June 1, 1956, may continue to be authorized for such use.

(12) This frequency is reserved primarily for assignment to state police

licensees. Assignments to other police licensees will be made only where the frequency is required for coordinated operation with the state police system to which the frequency is assigned. Any request for such assignment must be supported by a statement from the state police system concerned indicating that the assignment is necessary for coordination of police activities.

(13) The frequencies available for use at operational fixed stations in the band 72–76 MHz are listed in §90.257(a)(1). These frequencies, are shared with other services and are available only in accordance with the provisions of §90.257.

(14) This frequency is available nationwide for use in police emergency communications networks operated under statewide law enforcement emergency communications plans. Operations authorized on this frequency which are not in accordance with this limitation may continue until January 1, 1985.

(15) The requirements for secondary fixed use of frequencies in this band are set forth in §90.261.

(16) This frequency is available in this service on a shared basis with all other Public-Safety Radio Services.

(17) This frequency is shared with the Fire and Emergency Medical Radio Services.

(18)–(20) [Reserved]

(21) Subpart L contains rules for assignment of frequencies in the 470–512 MHz band.

(22) Subpart S contains rules for assignment of frequencies in the 806–824 MHz and 851–869 MHz bands.

(23) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 94 of this chapter.

(24) This frequency band is available to stations in this service subject to the provisions of § 90.259.

(25) Available only on a shared basis with stations in other services, and subject to no protection from interference due to the operation of industrial, scientific, or medical (ISM) devices. In the 2483.5–2500 MHz band, no applications for new stations or modification to existing stations to increase the number of transmitters will be accepted. Existing licensees as of July 25, 1985, or on a subsequent date following as a result of submitting an application for license on or before July 25, 1985, are grandfathered and their operation is co-primary with the Radiodetermination Satellite Service.

(26) This frequency is not available in the 150–170 MHz band until August 18, 1996. This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz. In the 450–470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

(27) Frequencies in this band are available only for one-way paging operations in accordance with § 90.494.

(28) In the State of Alaska only, the frequency 42.40 MHz is available for assignment on a primary basis to stations in the Common Carrier Rural Radio Service utilizing meteor burst communications. The frequency may be used by private radio stations for meteor burst communications on a secondary, noninterference basis. Usage shall be in accordance with part 22 or 90 of this chapter. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(29) In the State of Alaska only, the frequency 45.90 MHz is available for assignment on a primary basis to private land mobile radio stations utilizing meteor burst communications. The frequency may be used by common carrier stations for meteor burst communications on a secondary, noninterference basis. Usage shall be in accordance with parts 22 and 90 of this chapter. Stations utilizing meteor burst com-

munications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(30) Frequencies in this band will be assigned for low power wireless microphones in accordance with the provisions of § 90.265.

(31) This frequency is subject to the provisions of § 90.19(f)(5)(7).

(32) This frequency is not available until August 18, 1996. After August 18, 1996 this frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(33) Assignment of frequencies in this band are subject to the provisions of § 90.173.

(34) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(f) *Additional frequencies available.* In addition to the frequencies shown in the frequency table of this section, the following frequencies are available in this service. (See also § 90.253.)

(1) Substitution of frequencies available below 25 MHz may be made in accordance with the provisions of § 90.263.

(2) [Reserved]

(3) Frequencies in the band 73.0–74.6 MHz may be assigned to stations authorized their use on or before December 1, 1961, but no new stations will be authorized in this band, nor will expansion of existing systems be permitted.

(4) The frequency bands 31.99 to 32.00 MHz, 33.00 to 33.01 MHz, 33.99 to 34.00 MHz, 37.93 to 38.00 MHz, 39.00 to 39.01 MHz, 33.99 to 40.00 MHz and 42.00 to 42.01 MHz are available for assignment for developmental operation subject to the provisions of subpart Q.

(5) A licensee in the Police Radio Service may use transmitters on the frequencies indicated below in connection with official police activities without specific authorization from the Commission, provided that such use shall be on a secondary basis and shall not cause harmful interference to services of other licensees operating on regularly assigned frequencies, and further provided that all such use complies with the requirements of Federal, State and local laws.

## Federal Communications Commission

## § 90.19

The provisions of §90.429 of this part shall not apply to transmitters authorized under this paragraph. To be eligible for operations in this manner, the transmitter must comply with all of the following requirements.

(i) In accordance with §90.203 of this part and §2.803 of part 2 of this chapter, the transmitter must be of a type which has been type accepted by the Commission.

(ii) The carrier frequency shall be within the bands of

30.85–30.87 MHz  
 30.89–30.91 MHz  
 30.93–30.95 MHz  
 30.97–30.99 MHz  
 31.01–31.03 MHz  
 31.05–31.07 MHz  
 31.09–31.11 MHz  
 31.13–31.15 MHz  
 31.17–31.19 MHz  
 31.21–31.23 MHz  
 31.25–31.27 MHz  
 31.29–31.31 MHz  
 31.33–31.35 MHz  
 31.37–31.39 MHz  
 31.41–31.43 MHz  
 31.45–31.47 MHz  
 31.49–31.51 MHz  
 31.53–31.55 MHz  
 31.57–31.59 MHz  
 31.61–31.63 MHz  
 31.65–31.67 MHz  
 31.69–31.71 MHz  
 31.73–31.75 MHz  
 31.77–31.79 MHz  
 31.81–31.83 MHz  
 31.85–31.87 MHz  
 31.89–31.91 MHz  
 31.93–31.95 MHz  
 31.97–32.00 MHz  
 33.00–33.03 MHz  
 33.05–33.07 MHz  
 33.41–34.00 MHz  
 37.00–37.43 MHz  
 37.89–38.00 MHz  
 39.00–40.00 MHz  
 42.00–42.91 MHz  
 44.61–45.91 MHz  
 45.93–45.95 MHz  
 45.97–45.99 MHz  
 46.01–46.03 MHz  
 46.05–46.60 MHz  
 47.00–47.41 MHz  
 150.995–151.490 MHz  
 153.740–154.445 MHz  
 154.635–155.195 MHz  
 155.415–156.250 MHz  
 158.715–159.465 MHz  
 453.0125–453.9875 MHz  
 458.0125–458.9875 MHz  
 460.0125–460.5125 MHz  
 460.5625–460.6375 MHz  
 462.9375–462.9875 MHz

465.0125–465.5125 MHz  
 465.5625–465.6375 MHz  
 467.9375–467.9875 MHz

and must be maintained within 0.005 percent of the frequency of operation. Use on assigned channel center frequencies is not required.

(iii) The emitted signal shall be non-voice modulation (type PO emission).

(iv) The maximum occupied bandwidth, containing 99 percent of the radiated power, shall not exceed 2.0 kHz.

(v) The transmitter output power shall not exceed a mean power of 30 mW nor shall any peak exceed 1 watt peak power, as measured into a 50 ohm resistive load. Should the transmitter be supplied with a permanently attached antenna or should the transmitter and antenna combination be contained in a sealed unit, the following standard may be used in lieu of the above: The field strength of the fundamental signal of the transmitter and antenna combination shall not exceed 0.4 V/m mean or 2.3 V/m peak when measured at a distance of 3 meters.

(vi) The transmitter shall contain positive means to limit the transmission time to no more than 10 days. In the event of a malfunction of this positive means, the transmitter signal shall cease. The use of battery life to accomplish the transmission time limitation is permissible.

(6) Frequencies in the 421–430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§90.273 through 90.281.

(7) The frequency 173.075 MHz is available for stolen vehicle recovery systems on a shared basis with the Federal Government. Stolen vehicle recovery systems are limited to recovering stolen vehicles and are not authorized for general purpose vehicle tracking or monitoring. Mobile transmitters operating on this frequency are limited to 2.5 watts power output and base transmitters are limited 300 watts ERP. F1D and F2D emissions may be used within a maximum authorized 20 kHz bandwidth. Transmissions from mobiles shall be limited to 200 milliseconds every 10 seconds, except that when a vehicle is being tracked actively, transmissions may be increased to 200 milliseconds every second.

Transmissions from base stations will be limited to a total time of 1 second every minute. Applications for base stations operating on this frequency shall require coordination with the Federal Government. Applicants shall perform an analysis for each base station located within 169 km (105 miles) of a TV channel 7 transmitter of potential interference to TV channel 7 viewers. Such stations will be authorized if the applicant has limited the interference contour to fewer than 100 residences or if the applicant:

(i) Shows that the proposed site is the only suitable location;

(ii) Develops a plan to control any interference caused to TV reception from the operations; and

(iii) Agrees to make such adjustments in the TV receivers affected as may be necessary to eliminate interference caused by its operations. The licensee must eliminate any interference caused by its operation to TV channel 7 reception within 30 days of the time it is notified in writing by the Commission. If this interference is not removed within the 30-day period, operation of the base station must be discontinued. The licensee is expected to help resolve all complaints of interference.

(g) *Limitation on number of frequencies assignable.* Normally only one base and one mobile station frequency, will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with operation of mobile repeaters in accordance with § 90.247, notwithstanding this limitation.

(2) The frequency 39.06 MHz may be assigned notwithstanding this limitation.

(3) A licensee may use, without special authorization from the Commission, any mobile service frequency between 40 and 952 MHz, listed in subpart B of this part of the rules, for communications in connection with physical surveillance, stakeouts, raids, and other such activities. Such use shall be on a secondary basis to operations of

licensees regularly authorized on the assigned frequencies. The maximum output power that may be used for such communications is 2 watts. Transmitters, operating under this provision of the rules, shall be exempted from the station identification requirements of § 90.425. Use of Public Safety frequencies not listed in paragraph (d) of this section is conditional on the approval of the coordinator corresponding to each frequency. Spread spectrum transmitters may be operated on Public Safety frequencies between 37 and 952 MHz, providing that they are type accepted by the Commission under the provisions of §§ 2.803 and 90.203 of the rules, and meet the following conditions:

(i) Frequency hopping transmitters can be operated, with a maximum output power of 2 watts, on any Public Safety mobile service frequency between 37 and 952 MHz listed in subpart B of this part. At least 20 hopping frequencies shall be used and the average time of occupancy on any frequency shall not be greater than  $\frac{1}{10}$  second in every 2 seconds;

(ii) Use of spread spectrum transmitters under this section of the rules is subject to approval by the applicable frequency coordinator of the radio services of the district in which the license and equipment are to be used.

(iii) The use of direct sequence spread spectrum equipment is also permitted. Equipment must meet the technical standards of 47 CFR 15.247.

(4) In addition to the frequencies assigned for mobile service operation, one base station frequency above 152 MHz may be assigned as a common frequency to all licensees in a particular area to permit intersystem communication between base stations or mobile stations or both. This frequency, use will not be authorized in any area where all available frequencies are required for independent systems.

(5) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(6) A licensee of a radio station in this service may operate radio units for

the purpose of determining distance, direction, speed, or position by means of a radiolocation device on any frequency available for radiolocation purposes without specific authorization from the Commission, provided type accepted equipment or equipment authorized pursuant to § 90.203(b)(4) and (5) is used and all other rule requirements are satisfied.

(Secs. 4, 303, 307, 48 Stat., as amended, 1066, 1082, 1083; 47 U.S.C. 154, 303, 307; secs. 4(i) and 303(r), Communications Act of 1934, as amended, §§ 0.131 and 0.331 of the Commission's Rules and 5 U.S.C. 553 (b)(3)(B) and (d)(3))

[43 FR 54791, Nov. 22, 1978]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 90.19, see the List of CFR Sections Affected in the Finding Aids section of this volume.

#### § 90.21 Fire Radio Service.

(a) *Eligibility.* Any territory, possession, state, county, city, town, or simi-

lar governmental entity, and persons or organizations charged with specific fire protection activities are eligible to hold authorizations in the Fire Radio Service to operate radio stations for transmission of communications essential to official fire activities of the licensee. Applications from persons or organizations other than governmental entities must be accompanied by a statement from the governmental entity having legal jurisdiction over the area to be served, supporting the request.

(b) *Frequencies available.* The following table indicates frequencies available for assignment to stations in the Fire Radio Service, together with the class of station(s) to which they are normally assigned and the specific assignment limitations which are explained in paragraph (c) of this section:

FIRE RADIO SERVICE FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations
Kilohertz		
1630 .....	Base or mobile .....	
Megahertz:		
33.42 .....	Mobile or fixed .....	1
33.44 .....	Base or mobile .....	
33.46 .....	Mobile .....	
33.48 .....	Base or mobile .....	
33.50 .....	Mobile .....	
33.52 .....	Base or mobile .....	
33.54 .....	Mobile .....	
33.56 .....	Base or mobile .....	
33.58 .....	Mobile .....	
33.60 .....	Base or mobile .....	
33.62 .....	Mobile .....	
33.64 .....	Base or mobile .....	
33.66 .....	Mobile .....	
33.68 .....	Base or mobile .....	
33.70 .....	.....do .....	
33.72 .....	.....do .....	
33.74 .....	.....do .....	
33.76 .....	.....do .....	
33.78 .....	.....do .....	
33.80 .....	.....do .....	
33.82 .....	.....do .....	
33.84 .....	.....do .....	
33.86 .....	.....do .....	
33.88 .....	.....do .....	
33.90 .....	.....do .....	
33.92 .....	.....do .....	
33.94 .....	.....do .....	
33.96 .....	.....do .....	
33.98 .....	.....do .....	
45.88 .....	.....do .....	2
46.06 .....	.....do .....	
46.08 .....	.....do .....	
46.10 .....	.....do .....	
46.12 .....	.....do .....	
46.14 .....	.....do .....	
46.16 .....	.....do .....	